Comprehensive Site Profile (Sum-8)

Brookhaven National Laboratory - Most Current Actual Data

Data Sources: Facility Information Management System - November 2003
EM Corporate - FY 2001 Update
Pollution Prevention - 2002
Materials in Inventory - 1996

Facility Status	Reported Number of Facilities
Operating	2
Operational Standby	0
Shutdown Pending Transfer	0
Shutdown Pending D&D	0
D&D in Progress	0
Operating Pending D&D	7
Operating Under an Outgrant	0
Transfer to Another Federal Agency	0
Sale	0
Demolished	0
Deactivation	0
Shutdown Pending Disposal	0
No Information Provided	0
Total	9

Hazard Category Group *	Reported Number of Facilities
Radiological	128
Chemical Hazard	3
Radiological & Chemical Hazard	0
Not Applicable	765
No Information Provided	0
Total	896

*** For the purposes of the CID, facilities with a "Radiological" Hazard Category Group are broadly defined to include those facilities that meet the definition for either Nuclear Facility Category 1, Nuclear Facility Category 2, Nuclear Facility Category 3, or Radiological Facility as defined in DOE Standard 1027-92. Facilities with a "Chemical Hazard" Hazard Category Group are those that contain quantities of chemicals that exceed the threshold quantity for those chemicals as defined by OSHA's Chemical Process Safety regulation 29 CFR 1910.119, Appendix A. Facilities with a "Radiological and Chemical Hazard" Hazard Category Group are those that meet the Radiological and Chemical Hazard definition. The Hazard Category Group of "Not Applicable" refers to facilities that do not meet either the Radiological or Chemical Hazard definition. "No Information Provided" is listed for a facility when no information pertaining to the Hazard Category Group is available.**

Radioactive Waste Summary - 2000 Actual Data

Waste Type	Starting Inventory (m3)*	Reporting Period Additions (m3)*			Reporting Period Disposition Quantity (m3)*			Ending Inventory (m3)
		New	Process Outputs	Receipts	Treatment	Disposal	Other	
Low Level Waste	610.6000	160.500	270.000	0.000	190.000	831.600	0.000	19.50
Mixed Low Level Waste	6.2400	16.500	7.000	0.000	17.600	0.000	0.000	12.14

The management activity of "Other" is calculated by adding the values for NPDES discharges, recycling, other processing, and return to remediation unit.

Material balance may not be reflected in some CID reports for 1999 and 2000 data because inventory adjustments have been in corporated in the Ending Inventories.

*** For Vitrified HLW, quantities are shown in "Number of HLW Canisters."**
HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Ex-Situ Contaminated Media Summary - 2000 Actual Data

Waste Type	Starting Inventory (m3)*	Reporting Period Additions (m3)*	Reporting Period Dispositions (m3)*			Ending Inventory (m3)*
			Treatment	Disposal	Other	
Low Level Waste	15,670.5000	1,198.250	29.000	5,343.410	23.000	11,473.3400
Mixed Low Level Waste	7.6000	0.000	0.000	7.600	0.000	0.0000

The management activity of "Other" is calculated by adding the values for NPDES discharges, recycling, other processing, and return to remediation unit.

Material balance may not be reflected in some CID reports for 1999 and 2000 data because inventory adjustments have been in corporated in the Ending Inventories.
HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Reported quantities do not include Groundwater or Wastewater.

Non-Radioactive Hazardous Waste

Classification	Waste Type	Amount (Metric Tons)
Hazardous	Non Routine RCRA	17.63
	Routine RCRA	14.10
	Non Routine State	108.60
	Routine State	71.48
	Non Routine TSCA	0.00
	Routine TSCA	2.29
Sanitary	Non Routine	0.00
	Routine	554.50
Total		768.60

Materials in Inventory (1996 Information Only)

Material Name	Material Category	Material Volume
Research Reactor Fuel	Spent Nuclear Fuel	204.00 Kilograms
Lead	Lead	428,300.00 Kilograms
Normal Uranium	Natural & Enriched Uranium	334.80 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	11.90 Kilograms
Depleted Uranium	Depleted Uranium	48,382.00 Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	8.50 Kilograms
Strategic Lithium (6Li)	Lithium	1.34 Kilograms
Copper	Scrap Metal and Equipment	221.40 Tons
Deuterium	Plutonium	268.90 Kilograms